T. Friend

ENTERED

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/077,712B

DATE: 05/24/2002
TIME: 09:48:02

Input Set : N:\paola\US09077712B.RAW
Output Set: N:\CRF3\05242002\I077712B.raw

```
 1 <110> APPLICANT: Wong, Chi-Huey
 2        Slee, Deborah H.
 3        Laslo, Karen
 4 <120> TITLE OF INVENTION: HIV Protease Inhibitors
 5 <130> FILE REFERENCE: 482.1/SCR 2025P
C-->  6 <140> CURRENT APPLICATION NUMBER: US/09/077,712B
 7 <141> CURRENT FILING DATE: 2002-04-30
 8 <150> PRIOR APPLICATION NUMBER: PCT/US96/19571
 9 <151> PRIOR FILING DATE: 1996-12-09
10 <150> PRIOR APPLICATION NUMBER: US 08/568,532
11 <151> PRIOR FILING DATE: 1995-12-07
12 <160> NUMBER OF SEQ ID NOS: 7
13 <170> SOFTWARE: FastSEQ for Windows Version 4.0
15 <210> SEQ ID NO: 1
16 <211> LENGTH: 8
17 <212> TYPE: PRT
18 <213> ORGANISM: Lentivirus Human Immunodeficiency virus 1
19 <400> SEQUENCE: 1
20
21        Ser Gln Asn Tyr Pro Ile Val Gln
          1               5
23 <210> SEQ ID NO: 2
24 <211> LENGTH: 8
25 <212> TYPE: PRT
26 <213> ORGANISM: Lentivirus feline immunodeficiency virus
27 <400> SEQUENCE: 2
28
29        Pro Gln Ala Tyr Pro Ile Gln Thr
          1               5
31 <210> SEQ ID NO: 3
32 <211> LENGTH: 6
33 <212> TYPE: PRT
34 <213> ORGANISM: Lentivirus feline immunodeficiency virus
35 <400> SEQUENCE: 3
36
37        Gln Ala Tyr Pro Ile Gln
          1               5
39 <210> SEQ ID NO: 4
40 <211> LENGTH: 6
41 <212> TYPE: PRT
42 <213> ORGANISM: Artificial Sequence
43 <220> FEATURE:
44 <221> NAME/KEY: MOD_RES
45 <222> LOCATION: 1
46 <223> OTHER INFORMATION: acylated with 2 amino-benzoic acid
47 <220> FEATURE:
```

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```
    48 <221> NAME/KEY: MOD_RES
    49 <222> LOCATION: 4
    50 <223> OTHER INFORMATION: para-nitro group on the phenyl ring of this
    51        phenylalanine
    52 <221> NAME/KEY: AMIDATION
    53 <222> LOCATION: 6
    54 <223> OTHER INFORMATION: amidated with ammonia
    55 <220> FEATURE:
    56 <223> OTHER INFORMATION: Synthetic
W-->57 <400> 4
    58        Thr Ile Asn Phe Gln Arg
    59         1               5
    61 <210> SEQ ID NO: 5
    62 <211> LENGTH: 17
    63 <212> TYPE: PRT
    64 <213> ORGANISM: Unknown
    65 <220> FEATURE:
    66 <223> OTHER INFORMATION: synthetic
    67 <400> SEQUENCE: 5
    68        Gly Lys Glu Glu Gly Pro Pro Gln Ala Tyr Pro Ile Gln Thr Val Asn
    69         1               5                   10              15
    70        Gly
    72 <210> SEQ ID NO: 6
    73 <211> LENGTH: 6
    74 <212> TYPE: PRT
    75 <213> ORGANISM: Artificial Sequence
    76 <220> FEATURE:
    77 <223> OTHER INFORMATION: Commercially available fluorogenic substrate for
    78        the protease of the human immunodeficiency virus
    79 <220> FEATURE:
    80 <221> NAME/KEY: ACETYLATION
    81 <222> LOCATION: 1
    82 <220> FEATURE:
    83 <221> NAME/KEY: MOD_RES
    84 <222> LOCATION: 4
    85 <223> OTHER INFORMATION: para-nitro group on the ring of phenylalanine
    86 <220> FEATURE:
    87 <221> NAME/KEY: AMIDATION
    88 <222> LOCATION: 6
    89 <223> OTHER INFORMATION: primary amide
    90 <400> SEQUENCE: 6
    91        Thr Ile Asn Phe Gln Arg
    92         1               5
    94 <210> SEQ ID NO: 7
    95 <211> LENGTH: 8
    96 <212> TYPE: PRT
    97 <213> ORGANISM: Artificial Sequence
    98 <220> FEATURE:
    99 <221> NAME/KEY: MOD_RES
```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/077,712B

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Input Set : N:\paola\US09077712B.RAW
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```
    100 <222> LOCATION: 4
    101 <223> OTHER INFORMATION: 3-amino-2-oxo-4-phenylbu-
    102       tyric acid residue
    103 <221> NAME/KEY: AMIDATION
    104 <222> LOCATION: 8
    105 <223> OTHER INFORMATION: primary amide formed with
    106       ammonia
    107 <220> FEATURE:
    108 <223> OTHER INFORMATION: synthetic
W--> 109 <400> 7
    110
    111       Pro Gln Ala Phe Pro Ile Gln Thr
              1                   5
```

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/077,712B

DATE: 05/24/2002
TIME: 09:48:03

Input Set : N:\paola\US09077712B.RAW
Output Set: N:\CRF3\05242002\I077712B.raw

L:6 M:270 C: Current Application Number differs, Wrong Format
L:57 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:4
L:109 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:7